

# IMPORTANT NAME CHANGE ANNOUNCEMENT

## Larotid (amoxicillin) is the new name for Larocin

Since its introduction in March of 1974, Larocin has been prescribed more than a million times by physicians in the United States. In several of these instances, written prescriptions for Larocin have been confused with Lanoxin, Burroughs Wellcome Company's brand of digoxin. Although the reported incidence of such confusion has been extremely low, Roche Laboratories has changed the name of its product to LAROTID (amoxicillin). We hope you will agree that this action is in the best interest of the patient and of everyone concerned.

Before prescribing, please consult complete product information, a summary of which follows:

**Indications:** Infections due to susceptible strains of the following gram-negative organisms: *H. influenzae*, *E. coli*, *S. mirabilis* and *N. gonorrhoeae*; and gram-positive organisms: streptococci (including *Streptococcus faecalis*), *D. pneumoniae* and non-penicillinase-producing staphylococci. Therapy may be instituted prior to obtaining results from bacteriological and susceptibility studies to determine causative organisms and susceptibility to amoxicillin.

**Contraindications:** In individuals with history of allergic reaction to penicillins.

**WARNINGS:** SERIOUS AND OCCASIONALLY FATAL HYPERSENSITIVITY (ANAPHYLACTOID) REACTIONS REPORTED IN PATIENTS ON PENICILLIN THERAPY. ALTHOUGH MORE FREQUENT FOLLOWING PARENTERAL THERAPY, ANAPHYLAXIS HAS OCCURRED IN PATIENTS ON ORAL PENICILLINS. MORE LIKELY IN INDIVIDUALS WITH HISTORY OF SENSITIVITY TO MULTIPLE ALLERGENS. BEFORE THERAPY, INQUIRE CONCERNING PREVIOUS HYPERSENSITIVITY REACTIONS TO PENICILLINS, CEPHALOSPORINS OR OTHER ALLERGENS. IF ALLERGIC REACTION OCCURS, INSTITUTE APPROPRIATE THERAPY AND CONSIDER DISCONTINUANCE OF AMOXICILLIN. SERIOUS ANAPHYLACTOID REACTIONS REQUIRE IMMEDIATE EMERGENCY TREATMENT. WITH EPINEPHRINE, ADMINISTER OXYGEN, INTRAVENOUS STEROIDS AND AIRWAY MANAGEMENT, INCLUDING INTUBATION, AS INDICATED. 'Usage in Pregnancy': Safety in pregnancy not

established.

**Precautions:** As with any potent drug, assess renal, hepatic and hematopoietic function periodically during prolonged therapy. Keep in mind possibility of superinfections with mycotic or bacterial pathogens, if they occur, discontinue drug and/or institute appropriate therapy.

**Adverse Reactions:** As with other penicillins, untoward reactions will likely be essentially limited to hypersensitivity phenomena and more likely occur in individuals previously demonstrating penicillin hypersensitivity and those with history of allergy, rash, or associated with use of penicillins: Gastrointestinal: Nausea, vomiting, diarrhea. Hypersensitivity Reactions: Erythematous maculopurpuric rashes, urticaria. NOTE: Urticaria, other skin rashes and serum sickness-like reactions may be controlled with antihistamines and, if necessary, systemic corticosteroids. Discontinuation of amoxicillin, unless condition is believed to be life-threatening and amenable only to amoxicillin therapy. Liver: Moderate rise in SGOT noted, but significance unknown. Hematologic: Hemolytic Anemia, thrombocytopenia, thrombocytopenic purpura, eosinophilia, leukopenia, agranulocytosis. All are usually reversible on discontinuation of therapy and believed to be hypersensitivity phenomena.

**Dosage:** For oral, throat, genital, and skin and soft tissue infections—Adults: 250 mg every 8 hours. Children: 20 mg/kg/day in divided doses every 8 hours; under 8 kg, 0.5 ml of Pediatric Drops every 8 hours; 8-8 kg, 1 ml of Pediatric Drops every 8 hours. Lower respiratory tract infections and ear

nose infections or those caused by less susceptible organisms—Adults: 500 mg every 8 hours. Children: 40 mg/kg/day in divided doses every 8 hours; under 6 kg, 1 ml of Pediatric Drops every 8 hours; 6-8 kg, 2 ml of Pediatric Drops every 8 hours. Gonorrhea (acute uncomplicated anogenital and urethral infections)—Males and females: 3 grams as a single oral dose. NOTE: Children weighing more than 8 kg should receive appropriate dose of oral suspension 125 mg or 250 mg/5 ml. Children weighing 20 kg or more should be dosed according to adult recommendations.

**Notes:** In gonorrhea with suspected lesion of syphilis, perform dark-field examinations before amoxicillin therapy and monthly serological tests for at least four months. In chronic urinary tract infections, frequent bacteriological and clinical appraisals are necessary. Smaller than recommended doses should not be used. In stubborn infections, several weeks' therapy may be required. Except for gonorrhea, continue treatment for a minimum of 48-72 hours after patient is asymptomatic or bacterial eradication is evidenced. Treat hemolytic streptococcal infections for at least 10 days to prevent acute rheumatic fever or glomerulonephritis.

**Supplied:** Amoxicillin as the trihydrate: Capsules, 250 mg and 500 mg; oral suspension, 125 mg/5 ml and 250 mg/5 ml; pediatric drops, 50 mg/ml.



Roche Laboratories  
Division of Hoffmann-La Roche Inc.  
Nutley, New Jersey 07110

ABC

Med Trib 39

# Medical Tribune

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world news of medicine and its practice—fast, accurate, complete

and Medical News

Wednesday, November 5, 1975

## From Planned Parenthood:

### New Guidelines Set For Contraception In Women Over 40

By FRANCES GOONIGHT  
Medical Tribune Staff

NEW YORK—What advice about contraception methods should be given to women over 40 in the wake of recent reports from Britain that use of oral contraceptives by older women is linked to an increased risk of myocardial infarction?

The guidelines definitely include making sure that such patients receive full information about the risk-benefit ratio of the agents, says Dr. Louise B. Tyler, vice president for medical affairs of the Planned Parenthood Federation of America.

Dr. Tyler emphasized during an interview with MEDICAL TRIBUNE that the new reports constitute the first documented proof of association between the "pill" and heart attacks.

An aftermath, she noted, has been the announcement by the Food and Drug Administration that it plans to revise labeling for oral agents to reflect the recommendations of its obstetrics and gynecology advisory committee that patients over 40 "be made thoroughly aware of the increased risk and be urged to utilize other forms of contraception."

Findings from the British studies indicate that the estimated incidence of nonfatal myocardial infarction in women aged 40 to 44 is 9.9 per 100,000 women of oral contraceptives compared to 56.9 per 100,000 users in the

Continued on page 15

making rounds at press time

**A LITTLE INSURANCE**—14 Atlanta restaurants and two hotels overcharge for cigarettes and split profit between heart and cancer research. The idea, begun by late owner of the Coach and Six who quit smoking after an M.I., is continued by his widow, Mrs. Beverly Soloff. She told MT that in 1 yr. 1 machine took in an extra \$3800. "People who smoke are the most frightened of all and their reaction is incredibly good. They feel less guilty for smoking and feel like they're buying a little insurance."

## Transposed Arteries: First Total Correction

By NATHAN HORWITZ  
Medical Tribune Staff

DETROIT—The first successful total correction of transposed great arteries was reported here by a Brazilian surgical team.

Overcoming technical problems that have frustrated heart surgeons for more than two decades, the team was able to transfer the position of the coronary

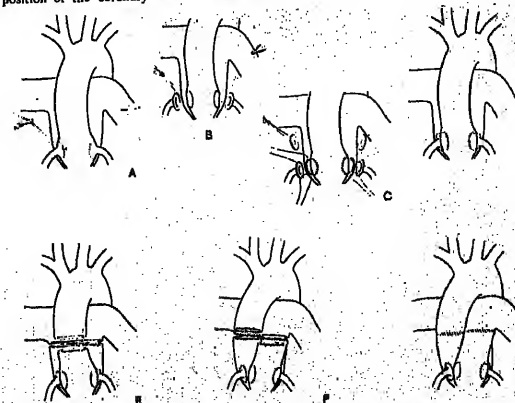
arteries in retransposed great vessels and achieve normal blood flow conduits in a 40-day-old infant with a large ventricular septal defect, Dr. A. D. Jatene told the 2nd International Symposium on Cardiac Surgery at the Henry Ford Hospital.

Dr. Jatene is Professor of Surgery at the Cardiology Institute in Sao Paulo, Brazil.

The achievement was described as a "great technical triumph" by Dr. John W. Kirklin, Professor and Chairman of the Department of Surgery, University of Alabama. He added that Dr. Jatene's procedure offers "a very exciting" surgical approach, especially in patients with a large VSD.

In describing the new procedure, Dr. Jatene said:

Continued on page 20



Schematic presentation of the new procedure for total anatomical correction of transposed great vessels in patients with VSD. Figure (A) shows ascending aorta, presently anterior, pulmonary trunk, presently posterior, and the proximal portion of the coronary arteries. Two sutures in the anterior wall of the pulmonary artery show where the coronary arteries will be sutured. The coronaries are excised (B), along with pieces of the aortic wall, and the openings are closed with a patch. At (C) and (D), corresponding pieces are resected from the pulmonary artery and the coronaries are implanted in the new sites. Ascending aorta and pulmonary trunk are resected (E), with differences in diameter between the vessels corrected by two sutures in the distal and proximal portions of the pulmonary artery. Distal end of pulmonary artery is sutured to proximal end of anterior artery, now without coronaries.

## Major Victory Seen In Capitation Grant Policy Reversal

Medical Tribune Report

WASHINGTON—The Ford administration has reversed its policy, inherited from the previous administration, to end capitation grants to medical and dental schools and has unveiled a new proposal that is expected to move the long-stalled health manpower legislation several steps closer to enactment.

The policy change is viewed by observers as a major victory by now H.E.W. Secretary F. David Mathews, Ph.D., and Dr. Theodore Cooper, Assistant Secretary for Health, over the Office of Management and Budget.

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## High Cataract Rate Found in Child Asthmatics on Steroids

Medical Tribune Report

DENVER—A high incidence of cataract formation in asthmatic children who regularly take corticosteroids was reported here by a team of physicians from Fitzsimons Army Medical Center and the National Asthma Center.

The study, presented at the 28th Annual Symposium on Pulmonary Diseases here, revealed cataract formation in 10.8 per cent of 92 long-standing, severe, steroid-dependent asthmatics.

Although past animal studies have been unable to prove a definite cause and effect relationship between steroid use and cataract formation, Dr. Harry S. Spaulding Jr., chief of the pediatric outpatient service at Fitzsimons, said physicians should definitely be alerted

to the association of chronic steroid use in child asthmatics with a change in lens pathology.

"Overall, the children in our study ranged from 11 to 15 years of age with an average five-year history of steroid as average five-year history of steroid dependency. Slitlamp examination by two independent ophthalmologists revealed definite cataract formation in 10 children, with an additional 21 patients showing some change in lens pathology.

"Obviously some of these children wouldn't be alive or couldn't function normally without steroids, despite the advances made in chemotherapeutic agents. However, we think physicians should be made aware of our findings."


Dr. Spaulding told MEDICAL TRIBUNE.

Continued on page 20



1941 100,000,000 100,000,000

**Esidrix.** It is still unsurpassed as a basic diuretic/antihypertensive.



Synthetic "umbrella" screen filter, above left, prevents recurrent pulmonary embolism when implanted in the infra-renal vena cava via catheter (also shown). Device is introduced intravenously under television control from cervical vein, below left. Position of the 3rd to 4th lumbar vertebra below renal pelvises.

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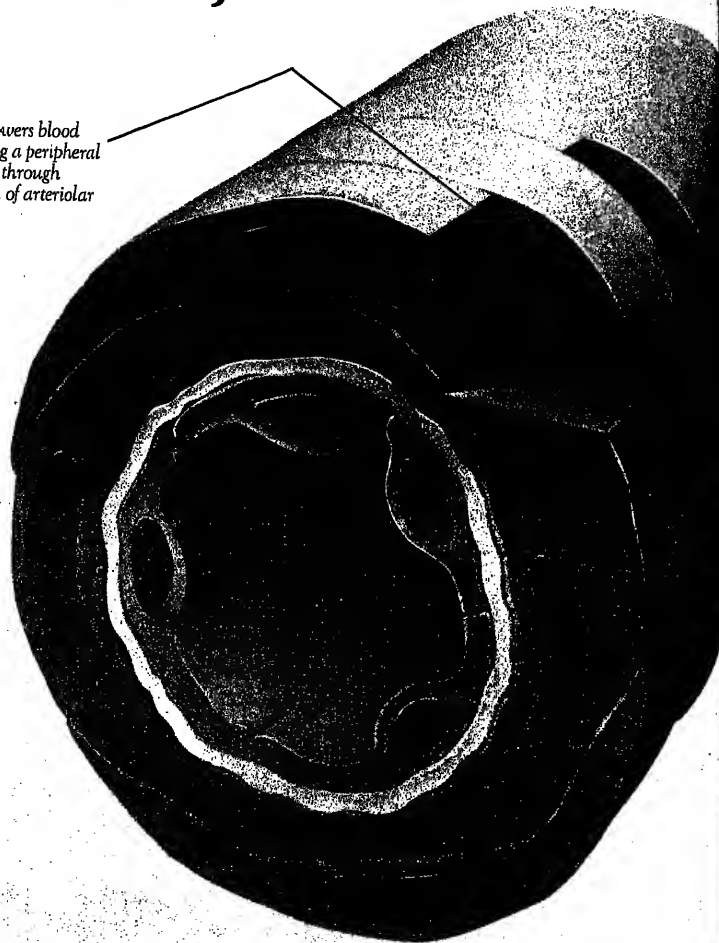


In all patients with colorectal disease, 50 per cent were dead 40 months postoperatively if they did not receive immunotherapy. There were no deaths in patients receiving BCG or BCG plus SA-FU at 16.6 months.

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# Apresoline...where the action is in treating hypertension

Apresoline lowers blood pressure by exerting a peripheral vasodilating effect through a direct relaxation of arteriolar smooth muscle.



## An antihypertensive idea whose time has come

Doctors who treat hypertension are increasingly interested in the one oral drug that has a mechanism of action exclusively its own—Apresoline.

Apresoline is in an antihypertensive class by itself because it reduces blood pressure through a unique mechanism. Acting at the ultimate site of hypertension, it directly relaxes arteriolar smooth muscle to decrease peripheral vascular resistance and arterial pressure. As blood pressure falls, there is an accompanying rise in cardiac output and rate.

Apresoline also maintains or increases renal and cerebral blood flow.

## Apresoline minimizes postural hypotension

Nickerson<sup>1</sup> describes the action of Apresoline as follows:

"A preferential effect on arterioles, as compared with other antihypertensives, allows the increase in cardiac output and minimizes postural hypotension; the latter is much less than that produced by agents blocking sympathetic nerves."

## Apresoline avoids side effects associated with other agents

Such untoward reactions as drowsiness, lethargy, sedation, sexual dysfunction, and exacerbation of mental depression are not usually encountered with Apresoline. However, as with any antihypertensive agent, hydralazine should be used with caution where advanced renal damage exists.

## Apresoline helps tailor the regimen to the patient

When Apresoline is added to an existing antihypertensive regimen, it introduces a different and complementary pharmacologic approach to the control of your patient's hypertension.

Apresoline thus affords the physician a variety of combinations with which he can construct regimens more closely molded to individual requirements. According to Freis,<sup>2</sup> such a combination of drugs, each with a different antihypertensive mechanism, is the most effective way to control blood pressure. This may also permit lower drug dosages.

Apresoline lends itself admirably to the contemporary antihypertensive rationale and its therapeutic goals: more vigorous and more effective control of blood pressure through a plurality of mechanisms.

## Apresoline: used effectively in the VA studies

Apresoline was one of the three basic drugs used in two published VA cooperative studies.<sup>3,4</sup>

**References:** 1. Nickerson M. Antihypertensive agents and the drug therapy of hypertension. *N Engl J Med* 1970; 283:115. 2. Freis ED. *Hypertension*, ed 4. New York, The Macmillan Company, 1970, p 729. 3. Freis ED. Hydralazine, a vasodilator drug. *Chir Pharmol Ther* 13:627-639, 1972. 4. Freis ED. Hydralazine in the treatment of hypertension. *JAMA* 1972; 227:1143-1152. 5. Freis ED. Hydralazine in the treatment of hypertension. *JAMA* 1972; 227:1143-1152. 6. Freis ED. Hydralazine in the treatment of hypertension. *JAMA* 1972; 227:1143-1152.

Next page: Apresoline (hydralazine) and the Hypertension Task Force

### Apresoline<sup>®</sup> (hydralazine hydrochloride)

**TABLETS**  
100 mg (each, dry-coated); bottles of 100.  
Consult complete literature before prescribing.

ing to a clinical picture simulating acute systemic lupus erythematosus. This may also occur in other diseases. Most of these reactions are reversible after withdrawal of therapy, but long-term treatment with hydralazine may be necessary and results have been observed many years later. Complete blood counts, liver function tests, and urinalysis should be performed before and during prolonged therapy. Even though patients may be asymptomatic, these studies should be performed in the presence of any unexplained symptoms.

Use MAO inhibitors with caution.

### Usage in Pregnancy

The drug should be used only when, in the judgment of the physician, it is deemed essential to the welfare of the patient.

Use cautiously in suspected coronary artery or other cardiovascular diseases. Clinical vascular disease and peripheral vascular disease. Peripheral vascular disease may be worsened by peripheral vascular disease. Peripheral vascular disease may be worsened by peripheral vascular disease.

and addition of prazosin to the regimen if symptoms develop. Side effects: drowsiness, muscle cramps, headache, dizziness, lightheadedness, hypotension, and red cell counts. Side effects: drowsiness, muscle cramps, headache, dizziness, lightheadedness, hypotension, and red cell counts.

Side effects: drowsiness, muscle cramps, headache, dizziness, lightheadedness, hypotension, and red cell counts. Side effects: drowsiness, muscle cramps, headache, dizziness, lightheadedness, hypotension, and red cell counts.

**DOSEAGE**  
Initial therapy in gradually increasing doses. Usual dosage: 10 mg 4 times daily for the first 2 to 4 days, then 20 mg 4 times daily. Usual dosage: 10 mg 4 times daily for the first 2 to 4 days, then 20 mg 4 times daily.

Side effects: drowsiness, muscle cramps, headache, dizziness, lightheadedness, hypotension, and red cell counts. Side effects: drowsiness, muscle cramps, headache, dizziness, lightheadedness, hypotension, and red cell counts.

Tablets, 100 mg (each, dry-coated); bottles of 100. Consult complete literature before prescribing.

CIBA Pharmaceutical Company

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Summit, New Jersey 07901

CIBA



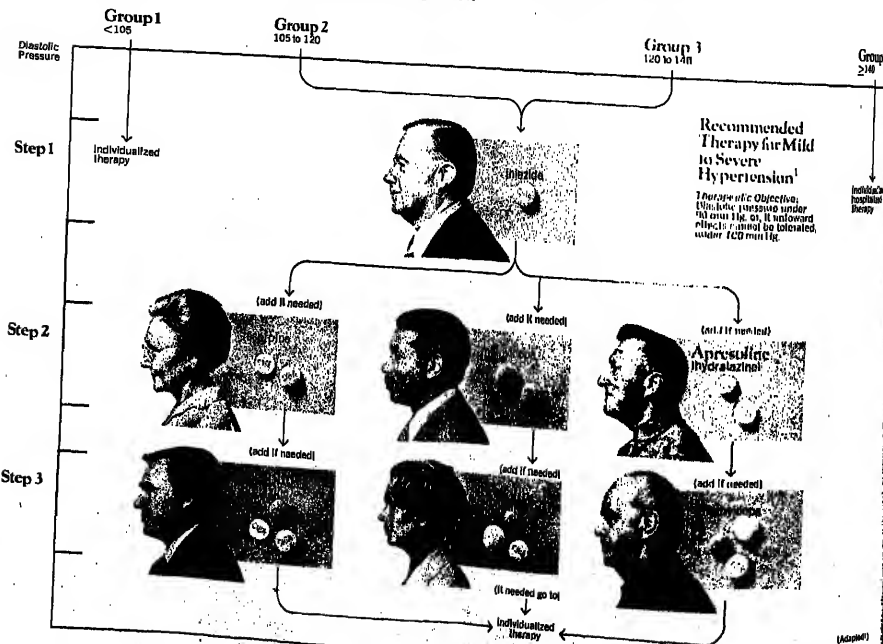
# Apresoline... (hydralazine) part of the Hypertension Task Force "plan of action"

In September 1973, Task Force I of the National High Blood Pressure Education Program recommended a series of antihypertensive regimens for groups with hypertension ranging from mild to severe. Hydralazine—used in combination with sympathetic-inhibiting and/or diuretic antihypertensive

agents—was a specific recommendation for "second step" and "third step" therapy in patients with diastolic pressures ranging from 105 to 140 mm Hg. Hydralazine played a prominent role in the Task Force regimens because of its compatibility with almost any antihypertensive regimen. For

Apresoline can be combined advantageously with nearly all diuretics and sympathetic inhibitors.

Reference: 1. Report of Task Force I, National High Blood Pressure Education Program. Recommendations for a National High Blood Pressure Education Program. Sept. 1, 1973. OHEW Publication No. (DHEW) 73-503.



Apresoline (hydralazine)  
...acts directly at the ultimate  
site of hypertension  
...brings something  
special to almost any  
antihypertensive  
regimen

For brief prescribing information,  
please see accompanying pages.



CIBA

Wednesday, November 5, 1973

MINICAL TRIBUNE

11

The Only Independent Weekly Medical Newspaper in the U.S.

## Medical Tribune

and Medical News  
Published by Medical Tribune, Inc.

### A Watergate-Like Stench

LET US NEVER FORGET that Watergate was not a simple political manipulation but the fundamental violation of American civil rights—through subversion of the electoral process. Let us not forget that it was carried forward by a regime cloaked in the mantle of "law and order."

And let us now remember that part of the totality of the fraud perpetrated upon the American people was the creation of a drug abuse hysteria.

There is not the slightest doubt that problems of drug abuse exist. But, what was a genuine social ill and medical concern was manipulated for primarily political purposes. The real drug addiction and abuse problems in the United States relate, without any serious contention, to alcohol and cigarettes.

False issues lead to distorted perspectives and as a result a law was passed (Controlled Substances Act of 1970) in which, over the repeated protests of MEDICAL TRIBUNE, important therapeutic agents were stigmatized by association with strong drugs of abuse. Hospitals and doctors became burdened with more red tape paperwork. A new "drug regulatory agency" was created and the control of a huge sector of therapeutics was vested in the Justice Department's Drug Enforcement Agency. MEDICAL TRIBUNE at that time warned of the dangers of a "police" approach to medical problems and the potential threat to the rights of scientists.

The outcome is even more nightmarish than the prophecy.

First, in the last two years the use of hard drugs such as heroin and cocaine has increased—not decreased. Despite the deceitful claims of those seeking to enlarge the bureaucracy and despite the stupid claims of those consumerists who claimed that psychopharmacologic agents lead to major drug abuse, the facts reveal the opposite. There never

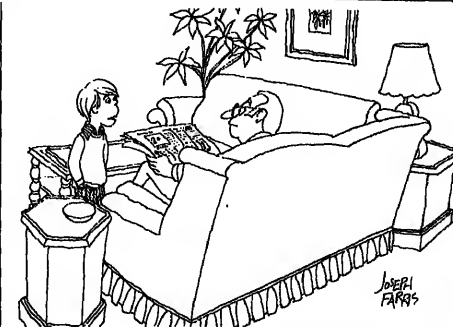
was a correlation between the physician's prescribing of psychopharmacotics, in largest measure to middle-aged white women, and the use of hard drugs which relates to adolescent or young black and white males. The result was an impediment of medical therapeutics, a threat of shortage of therapeutic morphine, and the unimpeded growth of the vicious and disgusting hard drug problem we confront.

Second, the civil rights of individuals were violated, not just those of a Jane Fonda, but of simple, private families whose homes were violently broken into. The Justice Department, which should have set standards of publicity, demonstrated the dangers, implicit in the arrogation of power even in a democratic society. The violations of a psychiatrist's office was part of a complex of despicable actions which are now subsumed under the rubric of the generic term, Watergate.

Third, as though this were not enough, we are learning that the L.A. likewise became involved and in its maneuvers within the Drug Enforcement Agency engaged in a pattern of illegal actions within the country.

Fourth, at a time when it was impossible without forfeiting one's academic rights in continuing research on LSD, it is now revealed that a secret program of LSD administration "to interrogating subjects to learn its effects" was associated with the death of a high level civilian researcher in biological warfare. His family is quoted as stating that "Without his knowledge of consent [he had] been given LSD by two C.I.A. employees during [a] research meeting."

Science, and particularly the biomedical sciences, must be protected from abuse as a publicity vehicle or as a political tool. If we are to continue to have a free and democratic society and a healthier society.



"Say, Dad, was a dollar ever worth a dollar?"

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### LETTERS TO TRIBUNE

#### Shin Splints and Arches

I agree with Dr. Robert D'Ambrosia (MT, Sept. 24) that the term "Shin splints" should be more sharply defined. It should be limited to disorders of the anterior compartment. This is the true "shin splint."

What Dr. D'Ambrosia describes is another frequent problem, pain in the posterior tibial muscle, its attachment to the tibia and its tendon.

Treatment for this disorder consists in tending on its function. Its tendon forms a sling for the arch and supinates the foot. The runner with an unstable pronating foot pulls on this tendon, the muscle and its attachment to the tibia. My experience, however, is that the pain is mostly in the muscle and its tendon.

The treatment? Support to an hypermobile pronating first metatarsal segment and a collapsing arch. 5000 foot strikes an hour can create havoc in this supporting muscle tendon complex. Shoes with good heel counters and solid shanks are a help, but usually a flexible non-compressible arch support is necessary. Do-it-yourself felt supports sometimes do the trick, but frequently help from an experienced sports podiatrist is necessary.

GEORGE A. SIREHAN, M.D.  
Red Bank, N.J.

#### Ode to Diabetes Hearings

Your report of the F.D.A. diabetes hearings prompted the following:

#### Oh, We Need To Design Many Walters To Sign

Praise be to Frodo  
Whom we've heard of  
These many years  
Arousing fears,  
With religious zeal,  
Seeking repeal  
Of F.D.A. approval,  
And near total removal  
Of oral agents  
That (?) kill patients.

Now in this crusade,  
To abort and aid  
Dr. Frodo in his fight

To protect the right  
Of the people to know  
What the doctors don't know,  
Is unadvised Sid.  
Now unkind his bid,  
For the herd's place—  
The consumer's good grace.

Unadvised, I say,  
'Cause I'll bet 'til this day  
Sid will never treat  
Diabetes, nor wean  
The astorically pill,  
Which he believes can kill;  
But the rest of us  
To relieve those who choose  
To ask us for relief  
(Of considerable grief,  
Caused by three "poly")  
(Of numerous diabetes,  
And blinding of vision,  
Loss of weight and strength—  
I could go on at length.

Far be it from me  
To judge H.G.D.P.,  
But pills I don't give  
To diabetics who live  
In a comfortable state  
With their glycemic fate,  
And do not bemoan  
Diet alone.

Could it just be  
That U.G.D.P.  
May have killed some cases  
With Orinase,  
By giving the pill  
To patients not ill,  
Only hyperglycemic—  
Then hypoglycemic,  
With too much catechol  
For a diseased heart's control,  
Causing V. Tech—  
Then heart attack.

Sometimes, like the pills,  
It's hard to see  
At the autopsy,  
How the patient died  
From lack of pacheide.

Oh, we need to design  
More walters to sign!  
NELSON G. GOODMAN, M.D.  
Bowie, Md.

### We Must Be Doing Something Right

THE TOP ADMINISTRATORS for health of the Department of Health, Education and Welfare have just issued the second Forward Plan for Health, aimed at the five-year period for fiscal years 1977-1981. We quote from the section on current health status: "After a decade of stable mortality rates in the United States, the age-adjusted mortality rates have again shown a steady decline of one per cent per year since

1966. The causes of the leveling off during the preceding decade and the recent renewed downturn are not as yet well understood."

Perhaps the causes "are not as yet well understood" but as the title of a recent editorial put it, "We must be doing something right. Curiously enough, the critics of health care in this country have not chosen to publicize the good news."

### Transposed Great Arteries

CLINICAL QUOTE: "Twenty days after surgery [the infant's] pulmonary pressure was 25/13 mm Hg and the pressure in the right ventricle was 60/10 mm Hg. The mean pressure in the left and right aorta was 10 and 8 mm Hg, respectively. The infant was discharged three weeks after the operation. Fifty days after surgery, he was

re-evaluated and considered in very good condition, without cyanosis. He presently weighs 3,300 grams against 3,700 at the time of surgery." (Dr. A. D. Satene, Professor of Surgery, Cardiology Institute, Sao Paulo, Brazil, describing the first patient ever to undergo total anatomic correction for transposition of the great arteries. See page 1.)

## SPECIFIC SYMPTOM: NONPRODUCTIVE COUGH



## SPECIFIC RX: **Hycotuss** EXPECTORANT

Because specific symptoms require specific therapy, Hycotuss® Expectorant was formulated to specifically treat nonproductive cough associated with respiratory tract congestion.

Hycotuss® Expectorant contains hydrocodone bitartrate, a highly effective antitussive, and glyceryl guaiacolate which acts to liquify and dislodge viscous secretions in the bronchi.

**Relieves persistent coughing while it helps liquify bronchial secretions**

Hycotuss is a trademarked U.S. trademark. Where necessary, hydrocodone and glyceryl guaiacolate.

**DESCRIPTION:** Each teaspoonful (5 ml) contains:  
Hydrocodone Bitartrate . . . . . 5 mg  
Glyceryl Guaiacolate . . . . . 100 mg  
Alcohol U.S.P. 10% v/v  
Hydrocodone is 7, 8-dihydrocodeine, a derivative of codeine.

**ACTIONS:** Hydrocodone is a centrally acting narcotic antitussive providing cough relief for up to 8 hours. Glyceryl guaiacolate exerts its expectorant action by producing a less viscous mucous thereby facilitating its expulsion.

**INDICATIONS:** Indicated for the symptomatic relief of coughs. Especially useful in upper/lower respiratory tract congestion. **CONTRAINDICATIONS:** Hycotuss Expectorant should not be used in patients with hypersensitivity to hydrocodone or glyceryl guaiacolate.

**WARNINGS:** Hycotuss Expectorant should be prescribed and administered with the same degree of caution appropriate for the use of other oral narcotic-containing medications. It can produce drowsiness and, therefore, the potential for abuse. Patients should be warned not to drive a car or operate machinery if they become drowsy or show impaired mental and/or physical abilities while taking Hycotuss Expectorant. Patients receiving narcotic analgesics, tranquilizers, other hypnotics, sedative-hypnotics or other central nervous system depressants (including alcohol) concomitantly with Hycotuss Expectorant may exhibit an additive central nervous system depression. When such combined therapy is contemplated, the dose of one or both agents should be reduced.

**ADVERSE REACTIONS:** The central nervous system depressant effect of Hycotuss Expectorant may be additive with other central nervous system depressants. See WARNINGS.

**MANAGEMENT OF OVERDOSE:** Signs and symptoms of overdose with Hycotuss Expectorant may be characterized by respiratory depression, extreme apnea,

### Usual Dosage:

Adults: 1 teaspoonful every four hours, after meals and at bedtime.

Children (Over 12 years) same as adults, (2 to 12 years) ½ teaspoonful every four hours and at bedtime.

Note: Telephone Rx's may be refilled 5 times within 6 months. Telephone Rx's permitted in most states.

### See Brief Summary for prescribing information.

**PRECAUTIONS:** Before prescribing medication to suppress cough, it is important to ascertain that the underlying cause of cough is identified, that modification of cough does not increase the risk of clinical or physiologic complications, and that appropriate therapy for the primary disease is provided.

**ADVERSE REACTIONS:** Adverse reactions, when they occur, include sedation, nausea, vomiting and constipation.

**USUAL DOSAGE:** See Brief Summary for prescribing information.

**ADVERSE REACTIONS:** The central nervous system depressant effect of Hycotuss Expectorant may be additive with other central nervous system depressants. See WARNINGS.

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### Tribune Economic Analysis



From here on out, the more the rate of inflation jumps, the more it will dry up the liquidity available to everyone. Roosevelt's purpose in raising the price of gold in the depression of the 1930s was explicitly and unequivocally to undo the ravages of deflation and to start up the corrective momentum of inflation. Roosevelt may have been an economic illiterate—no doubt practical politicians always are. But he grasped the marketplace reality that raising the price of gold primes the pump for inflation—provided liquidity is abundant enough to support the exercise. This was in Roosevelt's time. The opposite is the case now.

### Spiraling Interest Rates

The resurgence of inflation is the direct and inescapable reason for the renewed spiraling of interest rates. Today, 7 per cent in tax-exempt income—14 per cent to anyone in a 50 per cent bracket—is no trick for investors willing to tie up money for a year. But money is too scarce and too scared to take advantage of this rate of return. Anytime money is unwilling and unable to accept a return, pay for the privilege of going to work, it's not likely to volunteer the chance to shoot craps in the gold game.

It's little wonder that in the very governments which the gold bugs counted on to hull the price of gold are now breaking it. The liquidity crunch is hurting them most. Governments are under the most urgent and endless pressure to raise cash. The actual announcements of sales from official government holdings are only the tip of the iceberg. No private speculators can hope to support the gold market when distress government selling is breaking it.

### Ask Janeway

Would you recommend a retired couple invest the majority of their funds in bonds? We are considering BBB-rated utility bonds and long-term Treasury bonds because income is our highest priority. However, this would tie up funds for an extended period of time and would provide only minimum flexibility.

Medical Couple, M.D. & R.N.

What about conserving your capital? Your thinking would expose you to capital losses as interest rates continue to rise. Retirees may regard themselves as realistic in subordinating growth and gain to income, but they are actually being extremely unrealistic. As retirees you will have no chance to earn back any losses this thinking locks you into.

Send your questions or finances, investments, taxes to Janeway, Medical Tribune, 880 Third Avenue, New York, N.Y. 10022.

## IN CONSULTATION

### What's New and Important in Ophthalmology?



### The Consultant

DR. ANTHONY R. CASSA  
Assistant Professor of Ophthalmology  
University of Florida College of Medicine

PERHAPS THE GREATEST ADVANCE in the treatment of corneal disease in over a decade has been the development of the soft contact lens and its use as a "bandage." Innumerable causes of severe blinding keratitis (corneal disease) have been cured or controlled through this relatively simple and inexpensive mode of therapy.

Patients have been treated who had previously undergone almost all known medical and surgical modalities in an unsuccessful attempt to control the disease process or to restore vision. In the overwhelming majority of cases, soft lens therapy has been able to provide relief of pain, control of the underlying disease process, to promote the healing of damaged and diseased tissue, and, in many cases, to improve or to restore vision.

What are the characteristics distinguishing the hard contact lens from the soft contact lens?

Soft contact lenses are made of a type of hydrophilic or water-absorbent plastic. They have the whiteness of cornea when dry, but become soft and pliable when saturated with water, saline or tears. When placed on the eye, they mold themselves to the shape of the cornea, offering considerably more comfort than hard lenses, particularly in the early stages of wear. Because of their softness, they tend to minimize irritations, cornea swelling and abrasions sometimes caused by hard lens wear.

Hard contact lenses are made of methylmethacrylate or plexiglass, a material that provides excellent visual acuity in a wide range of visual defects. Since soft contact lenses weigh more than hard contact lenses, they have to be fitted slightly larger than the cornea diameter. They range in diameter from 12.3 to 15.5 mm. Hard lenses, in contrast, are presently fitted from 7.00 to 9.00 mm in diameter and don't quite cover the cornea. Due to the fact that these lenses are fitted to the cornea, one of the major problems of hard lens wear—dirt specks or particles lodging under the lens—almost arises with soft lenses.

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For routine use of contact lenses, when should the hard contact lens be prescribed? When the soft lens?

This should be the choice of the individual, with the proper aid and consultation of his doctor. For optical reasons, there are persons who will see better with hard or soft contact lenses. Since soft lenses take the shape of the cornea, they tend to reproduce corneal astigmatism without correcting it. In these cases, both eye glasses and hard lenses can correct the blurring of vision caused by corneal astigmatism.

Another type of astigmatism, lenticular astigmatism, caused by an irregularity of the natural lens is corrected only by eye glasses. In many cases, lenticular astigmatism itself corrects corneal astigmatism, eliminating the necessity of correction by necessary lenses. But it is also not uncommon to find that elimination of corneal astigmatism by hard contact lenses will result in the production of residual astigmatism or the bringing out of lenticular astigmatism with its blurring of vision.

That this residual astigmatism has not been a significant astigmatism stems from the fact that most patients that some degree of residual astigmatism quite tolerable if the other refractive errors are corrected.

While corneal astigmatism was assumed by some to be the main limiting factor in the wear of soft contact lenses, it has actually been a problem in only about 5 to 10 per cent of the population. More important, in fact, is the fluctuation in vision. These fluctuations are experienced as alternating blurring and clearing of vision. The main cause of vision fluctuation with soft lenses is the fit of the lens. Individual corneas vary in diameter and curvature. Although a soft lens tends to take the shape of the cornea, it may not provide a perfect match even though it may feel comfortable. A poor match with a hard lens would cause corneal swelling, pain and discomfort, with a soft lens it is the vision that suffers.

If a soft lens is too curved for the cornea, it gets pressed in and out during blinking, causing alternate blurring and clearing of vision. If it is too small in diameter or too flat, it will move up and down with each blink or it will be displaced laterally and invariably it will cause fluctuations in vision. This fluctuation in vision caused by the introduction of lenses with different base curves. Vision fluctuation will probably be completely eliminated in the near future. The visual acuity obtainable in a given patient with a given refractive error is dependent not only on the patient and the refractive error, but also upon the expertise of the fitter and, to an extent, upon the availability of lenses of different base curves and of different powers.

Many people desire contact lenses for different purposes. The individual with a high degree of corneal astigmatism who can not wear hard contact lenses may be satisfied with this alternative for sports and social activities while wearing eye glasses when driving a car or reading a book. Since the main advantages of soft

lenses are comfort and ease of adaptation, successful hard contact lens wearers should not be discouraged to switch from hard to soft contact lenses.

What problems do patients have with initial and prolonged use?

After many years and millions of patients wearing contact lenses, both hard and soft lenses have passed the test of time and have proven themselves both safe and effective. Certainly, however, many minor problems still remain with initial and prolonged use of these lenses.

It is said that for every person who successfully adjusts to hard contact lenses, another gives up because of intolerance to the lenses. Although tolerance has been significantly improved with the introduction of the semi-flexible, thin, small, hard contact lens, poor tolerance to a hard lens problem still remains the main factor. In nearly every respect, the soft contact lens is much kinder to the eye than the hard contact lens and is extremely well-tolerated by patients.

Hard contact lenses are more prone to cause corneal edema than soft. When the edema is light and superficial, the patient sees a great cloud over all objects. When the edema becomes more marked, the patient will notice brightly colored halos around light. A brightly colored halo around light can cause a great deal of corneal edema in a relatively short time. Even a well-fitted hard lens can cause corneal edema or injury of corneal epithelium. On the other hand, soft lenses are almost free of this unpleasant side effect. Soft lenses can be worn during all waking hours either from the first day or very shortly after the eye has begun to adapt. Hard lens wearers suffer a loss of tolerance for the lens if they don't wear it for a rather regular basis for quite a few hours every day. The soft lens wearer can abandon the lens for as long as he or she wishes and start wearing it again any time without ill effects. Interim social wear is therefore a considerable advantage of this type of lens.

Hard contact lenses, particularly the old, large and thick lenses, when worn for long periods of time can produce a temporary change in the shape of the cornea. Patients are often inconv-

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### New Study of Sclerosis



Dr. Harry Bartfield, St. Vincent's Hospital and Medical Center, New York, will coordinate new multidisciplinary study of amyotrophic lateral sclerosis over next two years with NIH funding of \$600,000-plus.

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## SPECIFIC SYMPTOM: NONPRODUCTIVE COUGH



## SPECIFIC RX: Hycotuss<sup>®</sup> EXPECTORANT

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Relieves persistent coughing while it helps liquify bronchial secretions.

### Usual Dosage:

Adults 4 teaspoonful every four hours, after meals and at bedtime.

Children (Over 12 years) same as adults. (2 to 12 years) ½ teaspoonful every four hours and at bedtime.

Note: Telephone Rx's may be refilled 5 times within 6 months. Telephone Rx's permitted in most states.

### DESCRIPTION Each teaspoonful (5 ml) contains:

Hydrocodone bitartrate..... 1 mg

Glyceryl guaiacolate..... 100 mg

Alcohol U.S.P. 10% v/v

Hydrocodone is 7, 8-dihydrocodeine, a derivative of codeine.

ACTIONS Hydrocodone is a centrally acting narcotic antitussive with cough relief for up to 8 hours. Glyceryl guaiacolate is an expectorant, acting by producing a mild vasodilation thereby facilitating its excretion.

INDICATIONS Indicated for the symptomatic relief of cough, especially useful in nonproductive coughs associated with upper and lower respiratory tract congestion.

CONTRAINDICATIONS Hycotuss<sup>®</sup> Expectorant should not be used in patients with hypersensitivity to hydrocodone or glyceryl guaiacolate.

WARNINGS Hycotuss<sup>®</sup> Expectorant should be prescribed with caution and with the utmost degree of caution to patients for the use of other and narcotic-containing medications. It can produce drug dependence and, therefore, has the potential for abuse. Patients should be warned not to drive a car or operate machinery if they become drowsy or show impaired mental or physical coordination.

PRECAUTIONS Hycotuss<sup>®</sup> Expectorant may be additive with other centrally acting narcotic antitussives.

ADVERSE REACTIONS Hycotuss<sup>®</sup> Expectorant may be additive with other centrally acting narcotic antitussives.

HOW SUPPLIED In bottles of one pint and one gallon.

Dispense when permitted by State law.

Endo Laboratories, Inc.

Endo Laboratories, Inc.

Endo Laboratories, Inc.

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### Tribune Economic Analysis



From here on out, the more the rate of inflation jumps, the more it will dry up the liquidity available to everyone. Roosevelt's purpose in raising the price of gold in the depression of the 1930s was explicitly and unequivocally to undo the ravages of deflation and to start up the corrective momentum of inflation. Roosevelt may have been an economic illiterate—no doubt practical politicians always are. But he grasped the marketplace reality that raising the price of gold primes the pump for inflation—provided liquidity is abundant enough to support the exercise. This was in Roosevelt's time. The opposite is the case now.

### Spiraling Interest Rates

The resurgence of inflation is the direct and inescapable reason for the renewed spiraling of interest rates. Today, 7 per cent in tax-exempt income—14 per cent to anyone in a 50 per cent bracket—is no trick for investors willing to tie up money for a year. But money is too scarce and too scared to take advantage of this rate of return. Anytime money is unwilling and unable to accept bonus pay for the privilege of going to work, it's not likely to volunteer for the chance to shoot craps in the gold game.

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## IN CONSULTATION

### What's New and Important in Ophthalmology?



### The Consultant

DR. ANTONIO R. GASSET  
Assistant Professor of Ophthalmology  
University of Florida College of Medicine

PERHAPS THE GREATEST ADVANCE in the treatment of corneal disease in over a decade has been the development of the soft contact lens and its use as a "bandage." Innumerable cases of severe blinding keratitis (corneal disease) have been cured or controlled through this relatively simple and inexpensive mode of

therapy. Patients have been treated who previously undergone almost all known medical and surgical modalities in an unsuccessful attempt to control the disease process or to restore vision. In the overwhelming majority of cases, soft lens therapy has been able to provide relief of pain, control of the underlying disease process, to promote the healing of damaged and diseased tissue, and, in many cases, to improve or to restore vision.

What are the characteristics distinguishing the hard contact lens from the soft contact lens?

Soft contact lenses are made of a type of hydrophilic or water-absorbent plastic. They have the brittleness of a cornea when dry, but become soft and pliable when saturated with water, saline or tears. When placed on the eye, they mold themselves to the shape of the cornea, offering considerably more comfort than hard lenses, particularly in the early stages of wear. Because of their softness, they tend to minimize irritations, cornea swelling and abrasions sometimes caused by hard lens wear.

Hard contact lenses are made of methacrylate or plexiglass, a material that provides excellent visual acuity in a wide range of visual defects. Since soft contact lenses weigh more than hard contact lenses, they have to be fitted slightly larger than the cornea diameter. They range in diameter from 12.5 to 15.5 mm. Hard lenses, in contrast, are presently fitted from 7.00 to 9.00 mm in diameter and don't quite cover the cornea. Due to the fact that these lenses are fitted larger than the cornea, one of the major problems of hard lens wearers—dirt specks or particles lodging under the lens—seldom arises with soft lenses.

When is the soft contact lens used therapeutically?

Eyes that are treated with the bandage lens are nearly always seriously diseased. With it the practitioner is able to bring comfort to patients who have had pain for years. This is a dramatic benefit that can be achieved in many cases by no other form of therapy now available. Soft contact lenses have helped to relieve pain and restore

For routine use of contact lenses, when should the hard contact lens be prescribed? When the soft lens?

This should be the choice of the individual, with the proper aid and consultation of his doctor. For optical reasons, there are persons who will see better with hard or soft contact lenses. Since soft lenses take the shape of the cornea, they tend to reproduce corneal astigmatism without correcting it. In these cases, both eye glasses and hard lenses can correct the blurring of vision caused by corneal astigmatism.

Another type of astigmatism, lenticular astigmatism, caused by an irregularity of the natural lens, is corrected only by eye glasses. In many cases, lenticular astigmatism itself corrects corneal astigmatism, eliminating the necessity of correction by accessory lenses. But it is also not uncommon to find that elimination of corneal astigmatism by hard contact lenses will result in the production of residual astigmatism or the bringing out of lenticular astigmatism with its blurring of vision. That this residual astigmatism has not been a significant drawback in the fitting of hard contact lenses stems from the fact that most patients find some degree of residual astigmatism quite tolerable if the other refractive errors are corrected.

While corneal astigmatism was assumed by some to be the main limiting factor in the wear of soft contact lenses, it has actually been a problem in only about 5 to 10 per cent of the population. More important, in fact, is the fluctuation in vision. These fluctuations are experienced as alternate blurring and clearing of vision. The main cause of vision fluctuation with soft lenses is the fit of the lens. Individual corneas vary in diameter and curvature. Although a soft lens tends to take the shape of the cornea, it may not provide a perfect match even though it may feel comfortable. A poor match with a hard lens would cause corneal swelling, pain and discomfort; with a soft lens it is the vision that suffers.

If a soft lens is too curved for the cornea, it gets pressed in and during blinking, causing alternate blurring and clearing of vision. If it is too small in diameter or too flat, it will move up and down with each blink or it will be displaced laterally and invariably it will cause fluctuations in vision. This fluctuation in vision caused by the early "Model-T" of the hydrophilic lenses has been greatly corrected by the introduction of lenses with different base curves. Vision fluctuation will probably be completely eliminated in the near future. The visual acuity obtainable in a given patient with a given refractive error is dependent not only on the patient and the refractive error, but also upon the expertise of the fitter and, to an extent, upon the availability of lenses of different base curves and diameters. Many people desire contact lenses for different purposes. The lenses for different purposes are contact lenses with a high degree of corneal astigmatism who can't wear hard contact lenses may be satisfied with this alternative for sports and social activities while wearing eye glasses when driving a car or reading a book. Since the main advantages of soft

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It is said that for every person who successfully adjusts to hard contact lenses, another gives up. Because of tolerance to the lenses. Although tolerance has been significantly improved with the introduction of the semi-flexible, thin, small, hard contact lens, poor tolerance to a hard foreign body still remains the main problem. In nearly every respect, the soft contact lens is much kinder to the eye than the hard contact lens and is extremely well-tolerated by patients.

Hard contact lenses are more prone to cause corneal edema than soft. When the edema is light and superficial, the patient sees a great cloud over all objects. When the edema becomes more marked, the patient will notice brightly colored halos around light. A poorly fitted hard contact lens can cause a great deal of corneal edema in a relatively short time. Even a well fitted hard lens can cause corneal edema or injury of corneal epithelium.

On the other hand, soft lenses are almost free of this unpleasant side effect. Soft lenses can be worn during all waking hours either from the first day or very shortly after the beginning of adaptation. Hard lens wearers suffer a loss of tolerance for the lens if they don't wear it on a rather regular basis. For quite a few hours every day. The soft lens wearers can abandon the lens for as long as he or she wishes and start wearing it again any time without ill effects. Intermittent social wear is therefore a considerable advantage of this type of lens.

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## wine talk

By JOHN CHAMBERS  
Author and Consultant to  
Merrell & Company,  
New York Wine Merchants

### Wine Books

A few days ago I was lunching with a friend and an out-of-town colleague who was visiting him. Hearing that the colleague was a doctor, I asked whether he had ever read this column. He said he had, and when I asked for his comments, he mentioned several things but hadn't done that I wish you would," he added. "Do a column on wine books."

Wine books can be divided into four categories: the general guides, the encyclopedias, the detailed books on specific areas, and the so-called cocktail table books which range from pictorial tours of the world's vineyard areas to pleasantly chatty discussions of wine and the winelife.

Of the general guides, the best is probably the *Signet Book of Wine* (Signet paperback) by Alexis Bespaloff. This is a 221-page volume which passes the wines of the world through a quick but cogent review, and then considers the matters of serving, storing, ordering in restaurants, etc. Other good inexpensive books of this type are the *Vintage Wine Book* by William Leedom (Vintage), and *An Insider's Guide to Low-priced Wines* by William Massee (Dolphin). In hardcover, *Wine* by Hugh Johnson (Simon & Schuster) is top-rate, and I would recommend (if it can be found) *Wines* by Julian Street (Knopf), an old classic.

### Major Encyclopedias

The first of the major encyclopedias to appear on the market was produced under the direction of Frank Schoonmaker (*Encyclopedia of Wine*, Hastings House). It is an excellent book with an emphasis on precision and conciseness. Somewhat broader in scope and more designed for general readability is the *Encyclopedia of Wine and Spirits* by Alexis Lichine (Knopf). Recently Hugh Johnson has authored a *World Atlas of Wine* (Simon & Schuster) which combines detailed maps and an informative text. It is a rare avist.

The best way to approach the third category is by region. Fortunately a few books have surfaced as best-in-class, and these will give the reader as much detailed information as he will ever need. My recommendations would be: *The Wines of France* (Lichine), *The Wines of Germany* (Schoonmaker), *Hastings House*, *The Wines of Italy* (Ray, McGraw-Hill), *The Great Wines of Italy* (Dallas, Doubleday), *Sherry and the Wines of Spain* (Rainbird, McGraw-Hill), *The Wines of Portugal* (Allen, McGraw-Hill), *The Wines of America* (Adams), *The Treasury of American Wines* (Chromay, Crown), and *The Wines of Provence, and Vineyards of Australia* (Simon, Lonsdale Press).

The fourth category is a buy-what-attracts-you area. I would recommend particularly the wine diaries of Harry Waugh. They provide excellent reading.

## Diurnal Excretion May Sift Renal from Essential Hypertension

Medical Tribune World Service

MARTIN, CZECHOSLOVAKIA—Essential hypertension may be distinguished from hypertension due to renal artery stenosis on the basis of diurnal rhythm of sodium and water excretion, according to Drs. Ota Schuster and Jaroslav Strizba, of the clinical pharmacology unit, Institute of Clinical and Experimental Medicine, Prague.

Both groups of patients show nocturia, the investigators reported at a meeting of the International Endocrine Society here. However, a large study has established that patients with essential hypertension excrete sodium and water at the same rate during day and night (day/night ratio of 1.0), while those with renal hypertension excrete more

Na and water at night (day/night ratio less than 1.0). The normal ratio of day to night sodium excretion is about 1.5.

The characteristic diurnal rhythm excretion patterns remained even after treatment with reserpine, hydralazine, or other antihypertensive agents brought blood pressure down, the researchers said. Neither was diurnal rhythms affected by salt intake. Furthermore, there was no statistical relationship between levels of Na excretion, mean blood pressure, or creatinine clearance.

The data suggest that control of nocturia is at the level of tubular transport in the kidneys and unrelated to renal hemodynamics, the investigators said. They speculated that at some stage in the development of essential and

renal hypertension a resetting of tubular transport occurs that is resistant to change, even after blood pressure is reduced.



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## The familiar refrain of depression: morning fatigue... sadness... anorexia... insomnia

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Norpramin also provides additional benefits in treatment of your patients.

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Prescribe Norpramin to change the familiar refrain of depression in your practice.

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**Indications:** Norpramin (desipramine hydrochloride tablets N.F.) is indicated for the treatment of depressive illness. Endogenous depression or manic-depressive illness may be distinguished from depressive illness due to organic disease by the presence of physical, psychological and emotional symptoms. Endogenous depression or manic-depressive illness may be distinguished from depressive illness due to organic disease by the presence of physical, psychological and emotional symptoms. Endogenous depression or manic-depressive illness may be distinguished from depressive illness due to organic disease by the presence of physical, psychological and emotional symptoms.

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**Warnings:** Patients should be warned of the possibility of drowsiness, dizziness, and other side effects. Patients should be warned of the possibility of drowsiness, dizziness, and other side effects. Patients should be warned of the possibility of drowsiness, dizziness, and other side effects.

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MERRELL NATIONAL LABORATORIES  
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## Planned Parenthood: Infarct Risk Curbs 'Pill'

Continued from page 1  
same age group, for an increase of 5.7 times in relative risk.

The estimated incidence of fatal myocardial infarction in women of this age group showed a comparable spread: 11.7 per 100,000 nonusers and 54.7 per 100,000 users, with the relative risk increased 4.7 times.

Dr. Tyrer thinks further research will be needed to substantiate or disprove these studies, and cautions that it is important to maintain perspective in considering risks versus benefits.

As she pointed out, the death rate in this country for acute myocardial infarction in women aged 35 to 44 was 12 per 100,000 in 1973, according to the American Heart Association, and

thus a fivefold increase would still not represent a very large number of women.

### In-depth History

Discussing guidelines for management of contraception in women over 40, Dr. Tyrer said she considers it essential to obtain an in-depth history—both personal and family—to determine high-risk factors, in addition to performing the customary physical exam.

The British studies found, she noted, six risk factors more often in patients with myocardial infarction than among controls: heavy cigarette smoking, diabetes, hypertension, hypercholesterolemia, a history of pre-eclampsia toxemia, and obesity.

She believes agreement is not universal that the combined effect of these factors and the use of oral contraceptives is synergistic, but she says it is undoubtedly additive and stresses that older women must be checked carefully for the presence of the factors.

The laboratory tests advised by Dr. Tyrer would include the routine ones given to all women seen at Planned Parenthood clinics: hematocrit values, testing for syphilis and gonorrhea, urinalysis, and the Pap smear.

But for the older woman, Dr. Tyrer thinks that—when indicated—this battery of tests may need to be augmented to include blood cholesterol (for SMA 12), triglycerides, stress EKG, the three-hour glucose tolerance test, and

a chest x-ray (for heavy smokers).

If the patient's history or laboratory findings indicate the presence of one or more high-risk factors, then Dr. Tyrer says it is appropriate for the clinician to point out the potential hazard of oral contraceptives and to suggest alternate methods of family planning.

"Physicians have a right to refuse to prescribe the agents if in their best judgment—after reviewing the history, the physical, and the lab tests—they feel the patient's risk is too high," she said. "They have to be able to practice according to the dictates of their conscience enmeshed with their best medical judgment."

What if the patient insists on use of the oral agents?

Physicians then have three alternatives, in Dr. Tyrer's opinion. One is to obtain a signed release indicating that all possible hazards have been explained and that the patient elects to use the agents and assumes full responsibility herself.

### Special Lab Tests

Another is to advise the special laboratory tests, assuming that these have not already been performed, or further consultations, in order to reach a final decision on whether or not to prescribe oral agents.

The last alternative is to refer the patient elsewhere for management of contraception, "since in no case should physicians be coerced into doing something they consider medically inappropriate any more than patients should be coerced into actions they may not be happy with."

Dr. Taylor offered these options when oral agents seem contraindicated:

- The diaphragm: "which is familiar to many women in the older age groups and remains a good method," despite a failure rate of about 15 per cent. Effectiveness can be increased to a level "between that of oral agents and intrauterine devices, provided the woman uses a combination of diaphragm with a suitable jelly, foam, or cream, and the man uses a condom."

- The intrauterine device, which has a rate of effectiveness approaching that of oral agents and when used correctly is "less likely to cause serious complications." Follow-up at three months and then every year is advised.

- Sterilization, which is being elected by an increasing number of couples—particularly those in the older age groups—who have had all the children they want.

A directive sent by the National Medical Committee of Planned Parenthood-World Population in October to its medical service chapters throughout the country contains the following statement:

"After due deliberation the National Medical Committee recommended that those patients 40 or older either desiring to initiate contraception with oral contraceptives or currently taking these agents be made thoroughly aware of the increased risk. In addition, they should be encouraged to utilize other forms of contraception, either of a temporary or a permanent nature."



Lightens  
the day of  
depressed patients  
Merrell

# "Let me tell you about the medicine I'm going to prescribe."

## TALKING OVER VALIUM®(diazepam) THERAPY WITH YOUR ANXIOUS PATIENT



A patient often benefits by a greater understanding of his treatment program. You may find it helpful to make your patient aware that the purpose of therapy with Valium is to help reduce discomforting and disabling symptoms of excessive psychic tension and anxiety. It is beneficial for him to understand that much of his tension and anxiety can be relieved by your reassurance and counseling, and that these measures can do more than anything else to help him cope with his basic problems. The patient is reassured in knowing he can expect his medication to help him avoid feeling overwhelmed by his symptoms.

And it's also good for him to realize that he will be taking Valium only as long as he needs it.

Your expressed confidence in the medication prescribed, and the positive atmosphere in which therapy is given and accepted, work to the patient's advantage.

Selection of a dosage regimen is an important consideration when Valium (diazepam) is prescribed, and dosage should be individualized to achieve maximum beneficial effect. If the patient understands clearly when and how much to take, and if he knows why it's to his benefit to follow the regimen closely, the chances are better that he will take the medication precisely as directed. That should help avoid missed doses and discourage taking too much or too little medication — all of which can have an undesirable effect on the management of the patient's condition.

*"It's important that you  
follow my directions  
closely."*

*"I'll see you again the week  
after next and we'll see  
how you're making out."*

Your patient is often likely to feel reassured when you talk about seeing him again to check his progress. A planned visit evidences your continued interest and affords the patient an opportunity to report improvement he has made and to relate whatever continuing or additional difficulties he may be experiencing. It's also a chance for him to describe his response to therapy with Valium.

During follow-up visits, as your patient talks about his medication and about its effects on his symptoms, he will provide the kind of information that will be of great help in evaluating total therapy, adjusting the dosage of Valium, or discontinuing the medication entirely if that seems indicated.

# Valium® (diazepam)

2-mg, 5-mg, 10-mg scored tablets  
for individualized treatment of psychic tension

ROCHE

Please see the following page for a summary of product information.





# Valium® (diazepam)

2-mg, 5-mg, 10-mg scored tablets

**Prompt, effective action.** Valium (diazepam) works rapidly to relieve pronounced psychic tension in patients overreacting to stress and in psychoneurotic patients.

Before prescribing, please consult complete product information, a summary of which follows:

**Indications:** Tension and anxiety states; somatic complaints which are concomitants of emotional factors; psychoneurotic states manifested by tension, anxiety, apprehension, fatigue, depressive symptoms or agitation; symptomatic relief of acute agitation, tremor, delirium tremens and hallucinosis due to acute alcohol withdrawal; adjunctively in skeletal muscle spasm due to reflex spasm to local pathology; spasticity caused by upper motor neuron disorders, athetosis; stiff-man syndrome; convulsive disorders (not for sole therapy).

**Contraindicated:** Known hypersensitivity to the drug. Children under 6 months of age. Acute narrow angle glaucoma; may be used in patients with open angle glaucoma who are receiving appropriate therapy.

**Warnings:** Not of value in psychotic patients.

Caution against hazardous occupations requiring complete mental alertness. When used adjunctively in convulsive disorders, possibility of increase in frequency and/or severity of grand mal seizures may require increased dosage of standard anticonvulsant medication; abrupt withdrawal may be associated with temporary increase in frequency and/or severity of seizures. Advise against simultaneous ingestion of alcohol and other CNS depressants. Withdrawal symptoms (similar to those with barbiturates and alcohol) have occurred following abrupt discontinuance (convulsions, tremor, abdominal and muscle cramps, vomiting and sweating). Keep addiction-prone individuals under careful surveillance because of their predisposition to habituation and dependence. In pregnancy, lactation or women of childbearing age, weigh potential benefit against possible hazard.

**Precautions:** If combined with other psychotropics or anticonvulsants, consider carefully pharmacology of agents employed; drugs such as phenothiazines, narcotics, barbiturates, MAO inhibitors and other anti-

depressants may potentiate its action. Usual precautions indicated in patients severely depressed, or with latent depression, or with suicidal tendencies. Observe usual precautions in impaired renal or hepatic function. Limit dosage to smallest effective amount in elderly and debilitated to preclude ataxia or oversedation.

**Dosage flexibility.** Scored Valium 2-, 5-, and 10-mg tablets give you dosage flexibility no tranquilizer capsule can match.

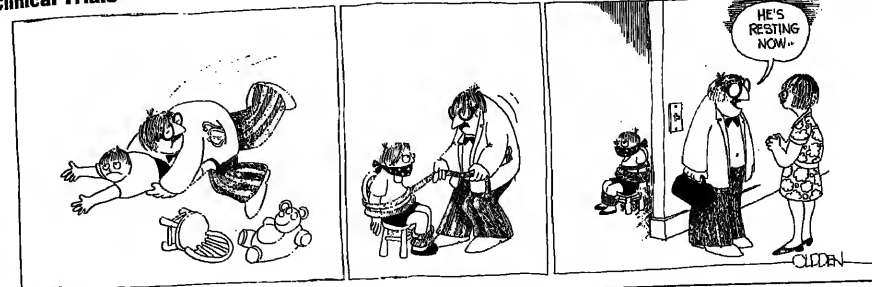
**Side Effects:** Drowsiness, confusion, diplopia, hypotension, changes in libido, nausea, fatigue, depression, dysarthria, jaundice, skin rash, utaxia, constipation, headache, incontinence, changes in salivation, slurred speech, tremor, vertigo, urinary retention, blurred vision. Paradoxical reactions such as acute hyperexcited states, anxiety, hallucinations, increased muscle spasticity, insomnia, rage, sleep disturbances, stimulation have been reported; should these occur, discontinue drug. Isolated reports of neutropenia, jaundice; periodic blood counts and liver function tests advisable during long-term therapy.

**Dosage:** Individualize for maximum beneficial effect. **Adults:** Tension, anxiety and psychoneurotic states, 2 to 10 mg b.i.d. to q.i.d.; alcoholism, 10 mg t.i.d. or q.i.d. in first 24 hours, then 5 mg t.i.d. or q.i.d. as needed; adjunctively in skeletal muscle spasm, 2 to 10 mg t.i.d. or q.i.d.; adjunctively in convulsive disorders, 2 to 10 mg b.i.d. to q.i.d. **Geriatric or debilitated patients:** 2 to 2½ mg, 1 or 2 times daily initially, increasing as needed and tolerated. (See Precautions.) **Children:** 1 to 2½ mg t.i.d. or q.i.d. initially, increasing as needed and tolerated (not for use under 6 months).

**Supplied:** Valium® (diazepam) Tablets, 2 mg, 5 mg and 10 mg—bottles of 100 and 500; Tel-E-Dose® packages of 100, available in trays of 4 reverse-numbered boxes of 25, and in boxes containing 10 strips of 10; Prescription Paks of 50, available singly and in trays of 10.

Roche Laboratories  
Division of Hoffmann-La Roche Inc.  
Nutley, New Jersey 07110

## Clinical Trials



## New Combined Drug Held Effective Against All Bacteria Tested

**Continued from page 2**  
bactericidal activity. In fact, the researchers reported, PCS not only eliminates DFA self-reversal but also enhances the antimicrobial activity of both agents manifold.

The new drug has proven equally effective when given to mice orally or by injection against a broad spectrum of bacterial species, including all the serious pathogens for man. The Merck scientists were particularly pleased that *Pseudomonas aeruginosa*, a highly resistant pathogen which is a growing problem in hospitalized patients, proved susceptible to the drug's effect.

According to Dr. Christopher M. Martin, senior director of medical affairs at Merck's research laboratories, not one bacterial strain tested so far has been resistant to the drug. He said the company was "cautiously optimistic that bacteria will have a terrible time with this drug."

Apprehension that the new agent might kill off harmless and necessary bacteria as well as virulent pathogens has been dispelled by studies in mice which show that it is absorbed into the bloodstream from the upper intestinal tract, Dr. Martin said. Bacteria in the lower tract, the mouth and the skin were unaffected.

Safety testing in human volunteers is expected to begin in early 1976, Dr. Martin announced. Monkeys receiving up to 30 times the normal human dose have exhibited no side effects. However, he cautioned, earlier cyclosporine drugs also produced no side effects in animals but caused tremors, behavioral changes and convulsions in humans.

### Outpatient Arteriography

**Medical Tribune Report**  
ROSELAND, MAINE—Outpatient arteriography could mean considerable savings in hospital fees, Drs. Peter E. Gluska and Paul J. Killip, of the radiology department of Knox County General Hospital, said recently. In a four-year study of 300 patients requiring arteriography, the physicians found no increase in complications and no hospital readmissions among 100 outpatients. The study confirms other reports that complications arise during or right after arteriography.

## INJECTABLE



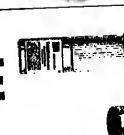
Injection DECADRON® Phosphate (Dexamethasone Sodium Phosphate) (MSD) equivalent to 4 mg dexamethasone phosphate per ml, in 1-ml disposable syringes and 1-ml, 5-ml, and 25-ml vials.

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Tablets DECADRON® (Dexamethasone) (MSD) 0.75 mg, in bottles of 100 and 5-15 packs (package of 12).

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RESPIRABLE® DECADRON® Phosphate (Dexamethasone Sodium Phosphate) (MSD) containing per metered spray, dexamethasone sodium phosphate equivalent to approximately 0.1 mg dexamethasone phosphate or 0.084 mg dexamethasone, in 15-cc cartridge delivering at least 170 sprays and refill cartridge.

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## DECADRON® (DEXAMETHASONE) (MSD)

New Suspension DECADRON-LA® (DEXAMETHASONE ACETATE) (MSD) equivalent to 6 mg dexamethasone per ml, in 5-ml vials.

## Major Victory Seen in Grant Policy Reversal

Continued from page 1

O.M.B., over the door keeper of the government's purse strings, had vigorously opposed continuation of the main education-funding feature of the 1971-74 law—capitation, under which health schools have been granted specified amounts of money for each student they enroll.

Dr. Mathews, who, as president of the University of Alabama, had worked hand-in-hand with the university's College of Community Health Sciences to resolve health manpower problems in rural Alabama, presumably brought his experience to bear in convincing the White House Domestic Council to endorse the new approach. Dr. Cooper, for his part, was also reportedly dissatisfied with the old line of thinking.

The anticipated legislation, which would replace the 1971-74 health manpower law that expired in the middle of last year, specifies among other things how and to what extent the federal government will finance the training of physicians, osteopaths, dentists, veterinarians, optometrists, pharmacists, podiatrists, and public health specialists.

### 'Imaginative' and 'Responsive'

Although the first bill to replace the expired statute was introduced a year and a half ago and many others have been put forward since then, no new law has been enacted because of conflicts over ways to support health education, spending levels, and methods of dealing with geographic and specialty maldistribution and the foreign medical graduate (FMG) problem.

Unexpectedly, on September 16 Dr. Cooper outlined a completely new administration proposal.

Senator Kennedy, who with other legislators (including Republicans) had been dismayed by what they called the negativity of previous administration bills, immediately hailed Dr. Cooper's testimony before his Senate health sub-

committee as "enormously forthcoming," "imaginative," and "responsive."

So effusive were the Senator and Assistant Secretary in their expressed mutual admiration that a subcommittee staff member afterwards called the session "a regular love fest."

Earlier administration bills would have drastically reduced capitation payments as a prelude to abolishing them, but the Senate and House bills that passed their respective chambers last year, but never reached conference, and the refurbished bill that the House passed on July 11 all continued capitation as a basic policy. Now so does the Cooper proposal for schools of medicine, osteopathy, and dentistry, though it reduces capitation payments for student veterinarians, optometrists, and podiatrists and abolishes them for fledgling pharmacists.

H.E.W.'s showdown with O.M.B. and the White House's decision to throw administration support behind capitation occurred only hours before Dr. Cooper was scheduled to testify at the opening session of the Kennedy subcommittee's 1975 hearings on health manpower legislation.

The cliff-hanging nature of the struggle within the administration was such, according to H.E.W. sources, that two prepared testimony statements were actually written for the Assistant Secretary—one favoring capitation and the other opposing it. Some senior H.E.W. officials did not learn which testimony he would present until an hour before he began speaking.

The new administration proposal, which has not yet been formally introduced in either house, would continue capitation at the current level of \$1,500 per year for medical, osteopathic, and dental students, phase it out over the three years of the new law's life (fiscal years 1977 through 1979) if it is enacted by the middle of next year for veterinary, optometric, and podiatric students, and discontinue it at once for pharmacy students.

It also deals in a much more concrete way than previous administration proposals with the maldistribution and FMG problems that have received so much attention in legislators' bills.

### \$55 Million in Scholarships

To remedy the geographic maldistribution of health workers—and particularly in rural areas—the proposal would require schools to set aside percentages of their enrollment for students who agree to practice in underserved areas after graduation (15 percent in fiscal 1977, 20 percent in fiscal 1978, and 25 percent in fiscal 1979). It would also establish a scholarship program for such students amounting to \$55 million for 5,000 students in fiscal 1977, \$75 million for 7,500 students in fiscal 1978, and \$95 million for 9,500 students in fiscal 1979. Capitation payments to medical, osteopathic, and dental schools that did not agree with these plans would be phased out over the law's life.

To encourage the production of more primary care physicians (general and family practitioners, general internists, obstetrician-gynecologists, and pediatricians), medical schools would have

to maintain a specified percentage of their residencies in those specialties (35 percent in 1977, 40 percent in 1978, and 50 percent in 1979).

Though other bills have provisions written into them that would limit the number of FMGs allowed into American residency programs, generally in 25 percent more than the previous year's total of new graduates from domestic medical schools, the new administration proposal is less specific.

### Single Qualifying Exam

"The department... supports the development of a single qualifying examination for all physicians who are entering hospital training programs where they will have some responsibility for patient care," Dr. Cooper said. "We propose to convene appropriate organizations and groups for the development of such an examination. Because this examination is not yet established and because immigrant physicians should be expected to meet standards of U.S. medical graduates in provision of care in the United States, it is proposed that the department will determine the most appropriate screening examination for FMGs."

He also suggested that H.E.W. should develop ways to integrate American and public welfare Committee, and the Senate itself, it is not considered likely that the Senate will vote out a bill until next spring. When it does, its version of the legislation will have to be reconciled with the House's in conference committee before it goes to the President for signature.

The new administration measure still differs in some respects from Senator Kennedy's own and that passed by the House in July.

Because the administration, Ken-

## New Procedure Corrects Transposed Great Arteries

Continued from page 1

Jatene stressed that efforts to accomplish total arterial correction of transposed vessels go back to 1954 and 1955 when Drs. Charles C. Bailey and E. B. Kirk independently sought to achieve anatomical correction of the defect. Later ingenious attempts to make the correction on the arterial side have been clinical failures, and more recent ideas have not progressed beyond the experimental level. Dr. Jatene noted. In the standard Mustard procedure, the right coronary remains in the pulmonary artery.

The twin-keys to the new technique, according to Dr. Jatene, are (1) to excise both coronaries, along with a piece of the aortic wall—prior to implanting in the pulmonary artery—in order to ease suture problems and avoid later stenosis; and (2) to transect the great vessels far from the valves, so that the anastomoses are easier to do and to correct if leaks are observed.

The technique emerged in the course of extensive experience with aorto-coronary bypass surgery. Dr. Jatene said, adding: "We believe it is reproducible by most cardiovascular surgeons."

Briefly, in Dr. Jatene's procedure, the ascending aorta and pulmonary trunk are dissected out. The two coronaries, along with a piece of the aortic wall, are resected and implanted in the pulmonary artery, still in the posterior

### Computer Monitors Heart



Use of new computer-assisted rhythm monitor (American Optical) is demonstrated by Dr. Edward A. Portencko and Monica Gelzer, R.N., at JFK Medical Center, Edison, N.J.

ly, and other proposals have to work their way through the Senate's health subcommittee, the full Labor and Public Welfare Committee, and the Senate itself, it is not considered likely that the Senate will vote out a bill until next spring. When it does, its version of the legislation will have to be reconciled with the House's in conference committee before it goes to the President for signature.

The openings in the aortic wall are closed with a patch. The aorta and pulmonary artery are transected, transposed and then anastomosed. The differences in diameter between the two vessels are equalized by two sutures in the distal and proximal ends of the pulmonary artery so that they correspond to the diameter of the ends of the aorta. The ventricular septal defect is then closed through a right ventriculotomy with a patch.

### In Good Condition

In the first clinical trial, the Jatene procedure was performed in an infant with transposed vessels and a large VSD. Hemodynamic studies 20 days after surgery showed complete correction of the defect. The postoperative course was uneventful and the infant in seven months followed in good condition without cyanosis. Dr. Jatene reported.

Collaborators were Drs. V. Q. Fontana, P. P. Paulin, L. C. B. de Souza, F. Neger, M. Gualtieri and J. E. M. R. Souza.

In an interview, Dr. Kirklin commented that while there "will be no stampede to use the Jatene technique, it will unquestionably be tried all over the world. Cardiovascular surgeons have been interested for a long time in achieving a correction of this anomaly on the arterial side."

## One Man...and Medicine

ARTHUR M. SACKLER, M.D.  
International Publisher, Medical Tribune



### To Direct and Not Distract Public Interest Part II

DO NOT THE CONSUMER and so-called "public interest" advocates recognize that unbalanced attacks against doctors and drugs are as dangerous a form of misrepresentation as misleading advertising?

Are they not bound by a higher ethic than that which they feel should apply to the poffery of the propaganda and the actions of vented interests? If the public interest groups represent the interests of the public, should they not lead rather than mislead, should they not direct and not distract?

They cannot have it both ways.

What are the truly major preventable causes of morbidity and mortality in the United States today? Doctors and drugs? The less developed nations of the world do not think so as they suffer the ravages of diseases which are now so rare here they can hardly be demonstrated to medical students in this country.

One would think that implicit in the conclusions of a public interest group calling for cessation of new hospital construction should be the recognition that in an ever-increasingly polluted environment something has happened to reduce morbidity and diminish the need for hospital facilities. Could it be, heaven forbid, doctors and drugs?

They can't have it both ways.

### Dangerous Distortions

Why are alcohol and tobacco so conspicuous by their absence from the activities of most of the "public interest" groups? As serious a problem as street drugs were, the drug hysteria of the preceding area distracted the public from real issues. We know that in this less than "best of all possible worlds" some doctors and drugs are deficient; that does not justify a rejection of modern medicines. To do so is to distort reality.

It is dangerous to the public and its health to focus on minor issues while simultaneously shifting attention away from major problems. It is dishonest to contribute, in any way, to obscuring the enormous preventable morbidity and mortality victimizing Americans. Such distortions of health perceptions raise serious questions as to the intent and the integrity, the intelligence and influence of certain individuals who could exert positive rather

### EPICGRAMS: Clinical and Otherwise

*Only the lion and the cock, as Galen says, withstand love's shock. So dearest, do not think me rude if I now yield to lassitude but sympathize with me. I know you would not have me roar or crow.*

Oliver St. John Gogarty, M.D.  
(1878-1957)  
in After Galen

### Medicine on Stamps

Joseph Warren



US Bicentennial 10c  
Born in Roxbury, Mass., in 1741, he graduated from Harvard in 1759, studied medicine, and very quickly became one of the leading medical men in Boston. Passage of the Stamp Act aroused his patriotic sympathies and he worked diligently in the cause of liberty. Commissioned a major general, he was killed in the battle of Bunker Hill in 1775. He is pictured as the dying soldier in the painting reproduced on the stamp above.

From: Dr. Joseph Warren  
Stamp: Markon Publications, Inc., New York

## 'PERC' Bag Aids Prevention Of Postoperative Atelectasis

Medical Tribune Report

SAN FRANCISCO—An effective, inexpensive device which has proved highly reliable in the prevention of postoperative atelectasis has been developed here by a University of California pulmonary specialist.

Called a perioperative respiratory care (PERC) bag, the device developed by Dr. Anthony Cosentino, director of the pulmonary laboratories at St. Mary's and Mt. Zion Hospitals, and Associate Clinical Professor of Medicine at the University of California, fills the "need for a device which allows physicians to calibrate the breaths a postoperative patient takes in efforts to prevent pulmonary complications and gauge necessary amounts of pain medication," Dr. Cosentino told Medical Tribune.

The new device consists of a condom enclosed by a one, one-and-a-half, two or three liter polyethylene bag, which is vented to insure against significant back pressure, making it effortless for a patient to fill.

According to Dr. Cosentino, the device—which sells to hospitals for about \$2 each—has successfully helped prevent postoperative atelectasis in about 100 patients, without the use of an intermittent positive pressure breathing (IPPB) device.

### Patient Does the Work

"We needed an inexpensive bedside device that the patient could operate, and at the same time give us inspiration volume and a good index for amounts of pain medication to administer," Dr. Cosentino said.

Although the patient does all the work, he added, technically the PERC bag is a positive pressure device that works as well as the conventional IPPB.

"This is in essence a positive pressure device, because once the normal breath a person takes is done so under positive atmospheric pressure. Pressure at the mouth is 1,000 centimeters of water, so as the thorax is expanded, thoracic pressure drops to something sub-atmospheric—hence, there exists a

positive pressure from the mouth into the lungs. This is where there is a gross misunderstanding in thinking IPPB is something magic just because the pressure is a little superatmospheric," he explained.

Elaborating on what he calls "the overated IPPB," Dr. Cosentino remarked that cost of the new device, coupled with its proven effectiveness in helping to prevent atelectasis and ability to gauge breath volume, make it more practical than IPPB, blow gloves or other conventional equipment.

One problem, he added, is that too many doctors believe positive pressure is superior to breathing and lose sight of the fact that the act of breathing alone is positive pressure.

A lot of physicians expound the wonders of IPPB, but the simple fact is that most authorities in the field agree the inspiratory maneuver is "the important thing," he said.

### Hypothermia of Brain Only Preferred in Hypoxia Risk

Medical Tribune World Service

PRAGUE, CZECHOSLOVAKIA—Local hypothermia of the brain is preferable to whole body hypothermia in surgery and trauma where brain function is endangered by hypoxia, Dr. V. A. Bukov, of the Laboratory for Tissue Transplantation, Academy of Medical Sciences, Moscow, told the International Congress of Pathological Physiology here.

The craniocerebral cooling technique has been used clinically in over 1,000 cases of open heart surgery, with heart stoppages up to 30 minutes, and in neurosurgery as well. Dr. Bukov said. Future work will try to extend the time limit even further.

The technique utilizes a new apparatus which by cooling the surface of the cranium can automatically attain and keep brain temperatures at precise levels (e.g., 26°C) while moderately cooling the rest of the body to anesthetic level (e.g., 30 or 31°C). The apparatus also permits rapid return of temperatures to normal when desired.

## Implanted 'Umbrella' Filter Prevents Recurrent Emboli

Continued from page 5

Although the procedure is simple, it is associated with some possible risks and complications. Dr. Schlesselman noted. These include errors in placing the filter, shifting of the screen, hemorrhage of limbs of the lower extremity, and especially edema of the lower extremity.

Dr. Schlesselman said patients were generally given constant anticoagulant therapy for one to two years after the operation. To evaluate the hemodynamic situation, 25 patients were examined by angiography over a period of six months to two years.

In eight, the team found complete blocking of the v. cava in the area of the screen filter, with the formation of excessive collaterals, and some tendency to edema of the lower extremity.

"However, four of those had a pelvic and leg vein thrombosis before the operation, with a tendency to edema."

Another eight showed partial blocking with beginning collaterals, without edema of the lower extremity, and nine patients showed a completely patent filter without collateralization or tendency to edema.

"Summing it up, the method offers a high measure of protection against pulmonary embolism, with a degree of risk that is tolerable," said Dr. Schlesselman.

In certain cases, it could be used prophylactically in plethoropneumal confirmed, fresh pelvic and leg vein thromboses, especially in the lower leg veins, with freely floating thrombi the pre-op and post-op phases.

## IN CONSULTATION

Continued from page 13

enced by their inability to switch back to eye glasses. Changes induced in the cornea by hard lens wear may make the acuity through eye glasses changeable and unsatisfactory for long periods of time after the hard lenses are removed. Experience has shown that complications such as spectacle blur or abrasion occur much less frequently with soft than with hard contact lenses.

Certainly, soft contact lenses are less durable than hard lenses. However, since soft lenses cling to the eye better than the hard ones, they are much less likely to fall out accidentally, not a rare occurrence with hard lenses. Statistics have reported between 25 and 40 per cent of hard contact lens wearers lose one or both of their lenses within the first six months. Of even greater importance is the fact that most of the instances of corneal abrasion, irritation or spectacle blur are produced by a warped, scratched, old, hard contact lens. Both hard and soft contact lenses should be replaced periodically to let the lens wearer benefit from new materials or improvements in technology, and to avoid the damage that can be caused by warped or scratched hard lenses or old soft lenses that have become coated with mucous. It is better not to save the patient's money than to risk potential damage to the eye.

The heat sterilization method employed by one manufacturer of soft lenses and the cold, hydrogen peroxide sterilization procedure employed by another are both extremely safe and effective, with no incidence of clinical bacterial infection certainly not greater than that found in hard contact lenses and perhaps approaching that found in individuals wearing spectacles.

Is there any advantage or disadvantage in having both spectacles and contact lenses?

Eye glasses are the safest, most effective device for the correction of refractive errors. Every contact lens patient should have a pair of spectacles that provide best visual acuity so as to enable free alternation with contact lenses. In addition, when the wearer of hard lenses does put on regular eye glasses and is unable to see clearly, this may be an indication of spectacle blur requiring attention.

A contact lens wearer should be able to switch to eye glasses as necessary for correction and/or comfort, elimination of glare or difficulty seeing at night, or when there are problems of visual acuity, conjunctivitis, irritation, or other complications.

## Next in Consultation

DR. JAMES M. STENGLE, Deputy Director for Medical Affairs, Lister Hill National Center for Biomedical Communications, N.I.H., and Chairman, Medical and Scientific Advisory Council, National Hemophilia Foundation, will discuss what's new and important in hemophilia.

## SLEEPING BETTER... THE BEGINNING OF THE END OF CLINICAL DEPRESSION/ANXIETY

Even before it helps her clinical depression/anxiety, Sinequan (doxepin HCl) can help her sleep through the night.

The sedative effect of Sinequan usually helps clinically depressed/anxious patients with accompanying sleep disturbances fall asleep more easily, remain asleep, and awaken more rested.

Administering the major portion of the daily dose *h.s.* generally obviates the use of supplementary hypnotic agents.

The marked anti-anxiety property of Sinequan is particularly helpful in relieving apprehension, tension and worry. Optimal antidepressant effect is usually seen two to three weeks after initiation of therapy.

# SINEQUAN<sup>®</sup>

## DOXEPIN HCl

10 mg, 25 mg, 50 mg and 100 mg capsules.

### BRIEF SUMMARY

#### Sinequan<sup>®</sup> (doxepin HCl) Capsules

**Contraindications:** Sinequan is contraindicated in individuals who have shown hypersensitivity to the drug.

**Sinequan** is contraindicated in patients with glaucoma or a tendency to urinary retention.

**Warnings:** **Use in Pregnancy:** Sinequan has not been studied in the pregnant patient. It should not be used in pregnant women unless, in the judgment of the physician, it is essential for the welfare of the patient, although animal reproductive studies have not resulted in any teratogenic effects.

**Use in Children:** The use of Sinequan in children under 12 years of age is not recommended because the conditions for its use have not been established.

**MAO Inhibitors:** Serious side effects and even death have been reported following the concomitant use of certain drugs with MAO inhibitors. Therefore, MAO inhibitors should be discontinued at least two weeks prior to the initiation of therapy with Sinequan (doxepin HCl). The exact length of time after MAO inhibitor being used, the length of time it has been administered, and the dosage involved.

**Precautions:** Since drowsiness may occur with the use of this drug, patients should be warned of that possibility and cautioned against driving a car or operating dangerous machinery while taking this drug.

**Patient** should also be cautioned that their responses to alcohol may be potentiated. Since alcohol is an inherent risk in any depressed patient and may remain so until

significant improvement has occurred, patients should be closely supervised during the early course of therapy.

Although Sinequan (doxepin HCl) has significant tranquilizing activity, the possibility of activation of psychotic symptoms should be kept in mind.

Other structurally related psychotherapeutic agents (e.g., imipramine and desmethylimipramine) are capable of blocking the effects of guanethidine and similarly acting compounds in both the animal and man. Sinequan, however, does not show this effect in animals. At the usual clinical dosage, 75 to 150 mg. per day, Sinequan can be given concomitantly with guanethidine and related compounds without blocking the antihypertensive effect. At doses of 300 mg. per day or above, Sinequan does exert a significant blocking effect. In addition,

Sinequan (doxepin HCl) was similar to the other structurally related psychotherapeutic agents as regards its ability to potentiate norepinephrine response in the animal. However, in the human this effect was not seen. This is in agreement with the low incidence of the side effect of tachycardia seen clinically.

**Adverse Reactions, Anticholinergic Effects:** Dry mouth, blurred vision, and constipation have been reported. They are usually mild, and often subside with continued therapy or reduction of dose.

**Central Nervous System Effects:** Drowsiness has been observed. This usually occurs early in the course of treatment, and tends to disappear as therapy is continued.

**Cardiovascular Effects:** Tachycardia and hypotension have been reported infrequently. Other infrequently reported side effects

include extrapyramidal symptoms, gastrointestinal reactions, secretory effects such as increased sweating, weakness, dizziness, fatigue, weight gain, edema, paraesthesia, flushing, chills, tremor, photophobia, decreased libido, rash, and pruritus.

**Dosage:** For most patients with illness of mild to moderate severity, a starting dose of 25 mg. t.i.d. is recommended. Dosage may subsequently be increased or decreased at appropriate intervals and according to individual response. The usual optimum dosage range is 75 mg./day to 150 mg./day.

In more severely ill patients an initial dose of 50 mg. t.i.d. may be required with subsequent gradual increase to 300 mg./day if necessary. Additional therapeutic effect is rarely to be obtained by exceeding a dose of 300 mg./day.

In patients with very mild symptomatology

or emotional symptoms accompanying organic disease, lower doses may suffice. Some of these patients have been controlled on doses as low as 25-50 mg./day.

Although optimal antidepressant response may not be evident for two to three weeks, anxiolytic activity is rapidly apparent.

**Supply:** Sinequan (doxepin HCl) is available as capsules containing doxepin HCl equivalent to 10 mg., 25 mg., 50 mg., and 100 mg. of doxepin in bottles of 100, 1000, and unit-dose packages of 100 (10 x 10).

More detailed professional information available on request.

**PARKE-DAVIS LABORATORIES DIVISION**  
KENNETH I. PARKE, President  
200 North Zeeb Road  
Parsippany, N.J. 07054

## IMMATERIA MEDICA

### For the President Who Has Nothing

It may be that the President of your favorite medical society, country or club has everything, but just in case you're looking for something, we call your attention to an ad in the Miscellaneous column of the *Wall Street Journal*, sandwiched in between a peat moss ad (200,000 yards) and one for antique hallmarked British silver flatware:

**MISCELLANEOUS**

FORMER PRESIDENTIAL  
PRIVATE RADIANT  
AVAILABLE FOR EQUIPPED  
for short or long term lease.  
Inquiries to be made to Observer  
Lease, Ltd., 280 Madison Ave.,  
New York City, 10017,  
(212) 685-1855

The short-term lease idea looked mighty attractive.

### Tut-tutted Again

We've been tut-tutted again by Dr. Sam Nixon of Floresville, Texas, because we referred to *The Education of H.Y.M.Y.N.E. K.A.P.P.E.S.A.N.* rather than *H.Y.M.Y.A.N.*, which is the way Dr. Sam correctly remembers it.

Our trouble is that we affectionately remember Hyman as Hymie. What can we say? It won't be the first time that affection has led us to err.

But if we may, we'd like to send up a cheer for Leo Rosen who discovered Hymie, Bronx-born and bred, and so hard-up for a tiny bit of recognition that he decorated his name with asterisks. It was probably the most expensive use of typography since the Cummings read archy and mehtabel in Don Marquis' column. Last this be considered an "inside" joke accessible only to aging physicians (over 50), we will explain that archy was a cockroach whose physical limitations made it impossible for him to use the typewriter shift key for capitals and punctuation. It was archy who, in *orchys new deed*, said:

*There is bound to be a certain amount of trouble running any country if you are president the trouble happens to you but if you are a tyrant you can arrange things so that most of the trouble happens to other people*

